

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

30-039-06713

**OPERATOR**

Initial Report  Final Report

<b>Name of Company:</b> Energen Resources, Inc.	<b>Contact:</b> Ed Hasely
<b>Address:</b> 2010 Afton Place, Farmington, NM 87401	<b>Telephone No:</b> 505-324-4131
<b>Facility Name:</b> Johnson Shear #1	<b>Facility Type:</b> Oil/Gas Well Site

<b>Surface Owner:</b> Jicarilla	<b>Mineral Owner:</b> Jicarilla	<b>Lease No.</b> Jicarilla
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**LOCATION OF RELEASE**

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	3	26N	3W					Rio Arriba

Latitude 36.51767 Longitude -107.12441

**NATURE OF RELEASE**

<b>Type of Release:</b> Produced Fluids	<b>Volume of Release:</b> Unknown	<b>Volume Recovered:</b> 0 bbls
<b>Source of Release:</b> Production Pit Tank	<b>Date and Hour of Occurrence:</b> Unknown	<b>Date and Hour of Discovery:</b> 9/5/12
<b>Was Immediate Notice Given?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	<b>If YES, To Whom?</b> NMOCD – Brandon Powell, Jicarilla EPO – Hobson Sandoval	
<b>By Whom?</b> Ed Hasely	<b>Date and Hour:</b> 9/10/12, 1:56 pm	
<b>Was a Watercourse Reached?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>If YES, Volume Impacting the Watercourse.</b> NA	

**If a Watercourse was Impacted, Describe Fully.\*** NA

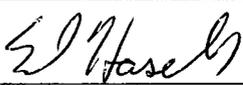
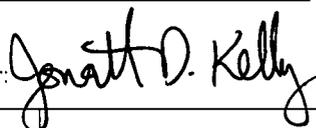
RCVD OCT 12 '12  
OIL CONS. DIV.  
DIST. 3

**Describe Cause of Problem and Remedial Action Taken.\***

Soils underneath the tank during the below-grade tank closure were visually impacted. According to the Pit Rule, this is an indication of a release.

**Describe Area Affected and Cleanup Action Taken.\*** Approximately 520 cubic yards of soil were excavated. Samples were collected after excavation and results were acceptable (see attached). The impacted soils were taken to an approved disposal facility.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

<b>Signature:</b> 	<b>OIL CONSERVATION DIVISION</b>	
<b>Printed Name:</b> Ed Hasely	<b>Approved by District Supervisor:</b> 	
<b>Title:</b> Sr. Environmental Engineer	<b>Approval Date:</b> 1/8/2011	<b>Expiration Date:</b>
<b>E-mail Address:</b> ed.hasely@energen.com	<b>Conditions of Approval:</b>	<b>Attached</b> <input type="checkbox"/>
<b>Date:</b> 10/10/12 <b>Phone:</b> 505-324-4131 / 505-330-3584(cell)		

\* Attach Additional Sheets If Necessary

nJK1400837470



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	09-24-12
Laboratory Number:	63326	Date Sampled:	09-21-12
Chain of Custody No:	14468	Date Received:	09-21-12
Sample Matrix:	Soil	Date Extracted:	09-24-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	50.2	0.1
Total Petroleum Hydrocarbons	50.2	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Johnson Shear #1 BGT**



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	09-24-12
Laboratory Number:	63327	Date Sampled:	09-21-12
Chain of Custody No:	14468	Date Received:	09-21-12
Sample Matrix:	Soil	Date Extracted:	09-24-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Johnson Shear #1 BGT**



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	09-24-12
Laboratory Number:	63326	Date Sampled:	09-21-12
Chain of Custody:	14468	Date Received:	09-21-12
Sample Matrix:	Soil	Date Analyzed:	09-24-12
Preservative:	Cool	Date Extracted:	09-24-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	29.3	10.0
Ethylbenzene	33.7	10.0
p,m-Xylene	379	10.0
o-Xylene	114	10.0
<b>Total BTEX</b>	<b>556</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	80.6 %
	1,4-difluorobenzene	92.5 %
	Bromochlorobenzene	110 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Johnson Shear #1 BGT



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	09-24-12
Laboratory Number:	63327	Date Sampled:	09-21-12
Chain of Custody:	14468	Date Received:	09-21-12
Sample Matrix:	Soil	Date Analyzed:	09-24-12
Preservative:	Cool	Date Extracted:	09-24-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	13.3	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	25.4	10.0
o-Xylene	ND	10.0
<b>Total BTEX</b>	<b>38.6</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	78.6 %
	1,4-difluorobenzene	88.4 %
	Bromochlorobenzene	93.5 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Johnson Shear #1 BGT

Client:	Energen Resources	Project #:	03022-0001
Sample ID:	Bottom	Date Reported:	09-24-12
Lab ID#:	63326	Date Sampled:	09-21-12
Sample Matrix:	Soil	Date Received:	09-21-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Chain of Custody:	14468

Parameter	Concentration (mg/Kg)
<b>Total Chloride</b>	<b>53.7</b>

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Johnson Shear #1 BGT**

Client:	Energén Resources	Project #:	03022-0001
Sample ID:	Sides	Date Reported:	09-24-12
Lab ID#:	63327	Date Sampled:	09-21-12
Sample Matrix:	Soil	Date Received:	09-21-12
Preservative:	Cool	Date Analyzed:	09-24-12
Condition:	Intact	Chain of Custody:	14468

Parameter	Concentration (mg/Kg)
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<b>Total Chloride</b>	<b>9.44</b>
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Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Johnson Shear #1 BGT**

**Ed Hasely**

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**From:** Ed Hasely  
**Sent:** Monday, September 10, 2012 1:56 PM  
**To:** 'Powell, Brandon, EMNRD'; 'Hobson Sandoval'  
**Subject:** Notification of Possible Past Release - Johnson Shear #1

This is to notify you that impacted soils were discovered under the BGT on the Johnson Shear #1 on September 5, 2012. We are proceeding w/ closure per 19.15.29 and 19.15.30.

**Ed Hasely**  
**Energen Resources Corporation**

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**From:** Ed Hasely  
**Sent:** Monday, August 27, 2012 2:19 PM  
**To:** 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'; Jason Peace  
**Subject:** BGT Closure Notification - Jicarilla

Jonathan – Energen plans to begin the closure process on the below listed BGT’s in the near future. Let me know if you have questions. Thanks.

Jicarilla 96 #5 - Unit Letter M, Section 11, Township 26N, Range 3W
Jicarilla 96 #5B - Unit Letter F, Section 11, Township 26N, Range 3W
Jicarilla 96 #6 - Unit Letter M, Section 2, Township 26N, Range 3W
Johnson Shear #1 - Unit Letter H, Section 3, Township 26N, Range 3W

**Ed Hasely**  
**Energen Resources Corporation**

Sr. Environmental Engineer  
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Cell: (505) 330-3584